

WHAT IS CLAIMED IS:

1. A container for cell growth culturing comprising:
an elongate cylindrical wall having a closed bottom end and a liquid opening at an opposing top end, said elongate cylindrical wall including (i) a plurality of longitudinally axial extending pleats that at least partially extend from said closed end to said top end; and (ii) at least one circumferential rib integrally formed with said cylindrical wall for reinforcing said cylindrical wall.
2. The container of claim 1, wherein the container is a roller bottle.
3. The container of claim 1, wherein said cylindrical wall further includes at least one unpleated longitudinal section defining a drain panel.
4. The container of claim 3, wherein said cylindrical wall includes two diametrically opposed unpleated longitudinal sections, each defining a drain panel.
5. The container of claim 1, wherein extending from said top end is a neck portion having integral external screw threads for receiving an internally screw threaded cap thereon.
6. The container of claim 5, wherein said neck portion further includes a locking arrangement for holding a cap in a locked open position on said container for maintaining said container open to an environment surrounding said container.
7. The container of claim 1, wherein said pleats define a plurality of opposed facing internal surfaces for the formation of cell growth thereon.
8. The container of claim 1, each said pleat including a first side wall extending between a first end point and a first apex; and a second side wall extending between a second end point and

said first apex, said first apex being located radially further from a longitudinal center of said container than said first and second end points.

9. The container of claim 8, wherein said first and second side walls are convergently disposed relative to said first apex.
10. The container of claim 9, wherein said first and second side walls define an angle of about 60 degrees therebetween.
11. The container of claim 9, wherein a juncture is defined between adjacent said pleats with said second end point of a first said pleat being connected to said first end point of a second said pleat, said juncture defining a second apex.
12. The container of claim 9, wherein said first apices of two adjacent said pleats are separated by an angle of about 9 degrees.
13. The container of claim 9, at least a portion of said first apices being rounded.
14. The container of claim 11, wherein said second apices of two adjacent said pleats are separated by a distance in the range of about 0.80 cm. to about 0.85 cm.
15. The container of claim 11, at least a portion of said second apices being rounded.
16. The container of claim 11, wherein said rib includes an inner wall that extends radially inwardly from said pleats, said rib inner wall being flush with innermost portions of said second apices of said pleats.
17. The container of claim 9, wherein said rib includes an outer wall extending radially outwardly from said pleats, said rib outer wall being flush with outermost portions of said first apices of said pleats.

18. The container of claim 3, wherein said rib is flush with outermost portions of said drain panel.
19. The container of claim 1, wherein said container includes three ribs.
20. The container of claim 1, wherein said container includes four ribs.